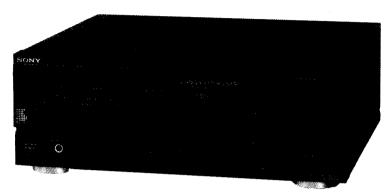
SERVICE MANUAL

AEP Model UK Model



SPECIFICATIONS

Continuous RMS power (both channels driven)

80 W + 80 W (6 ohms) at 1 kHz

70 W + 70 W (6 ohms) at 40 Hz - 20 kHz

Music power output 300 W

Harmonic distortion Less than 0.02% at rated output

IM distortion (60 Hz: 7 kHz = 4:1)

Less than 0.02% at rated output

Frequency response

PHONO: RIAA equalization curve

±0.5 dB

TUNER

TAPE 1, 2 VIDEO/CD

10 Hz - 50 kHz + 0 dB

ADAPTOR

Residual noise

Less than 130 µV (6 ohms network A)

Input

Input	Sensitivity	Impedance	S/N (network, input level)		
PHONO	2.0 mV	50 kohms	70 dB (A, 2.0 mV)		
TUNER TAPE 1, 2 VIDEO/CD ADAPTOR	150 mV	50 kohms	91 dB (A, 150 mV)		

DA converter

Frequency

4 Hz - 20 kHz + 0 dB More than 95 dB

S/N

Outputs

Output	Туре	Voltage	Impedance		
DAT OUT ADAPTOR TAPE 1, 2 VIDEO	Phono	150 mV	1 kohms		
HEAD- PHONES	Stereo phone	Accepts headphones of 8 ohms or more.			



Tone controls

BASS

±10 dB (at 100 Hz)

TREBLE

±10 dB (at 10 kHz)

BASS BOOST +10 dB (at 20 Hz, 1 W)

General

Power requirements

AEP, West Germany model: 220V AC, 50/60Hz

UK model: 240V AC, 50/60Hz

Power consumption

AEP, West Germany model: 150W

UK model: 350W

AC outlet

1 Unswitched, 200 W max.

Weight

Dimensions Approx. 355 × 130 × 368 mm (w/h/d) Approx. 10.2 kg (22 lb 8 oz), net

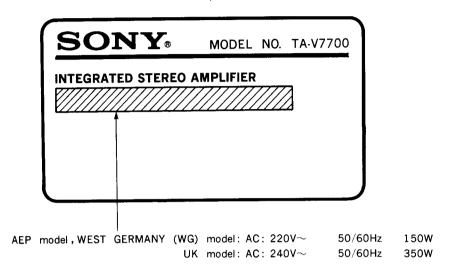
SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK A OF DOTTED LINE WITH MARK A ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUB-LISHED BY SONY.

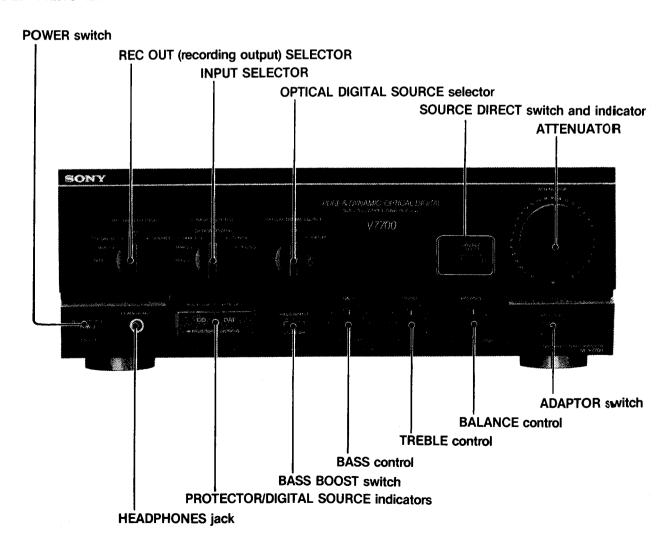


SECTION 1 GENERAL

1-1. MODEL IDENTIFICATION — Specification Label —



1-2. PARTS IDENTIFICATION



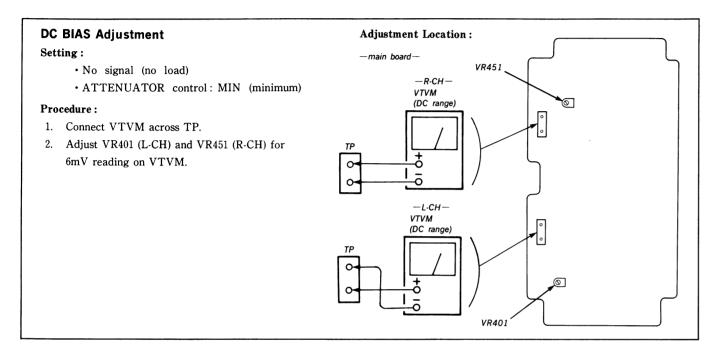
SECTION 2 ELECTRICAL ADJUSTMENT

Before adjustment:

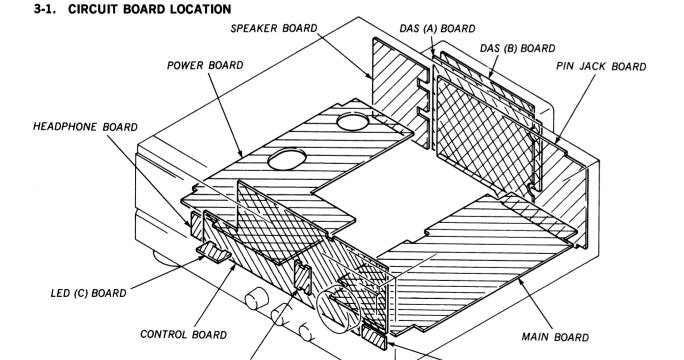
1. Make DC bias adjustment when replacing the following power transistors.

Q401,404—410,413,414 Q451,454—460,463,464

2. Turn VR401 and VR451 fully counterclockwise before power switch is turned on.



SECTION 3 DIAGRAMS

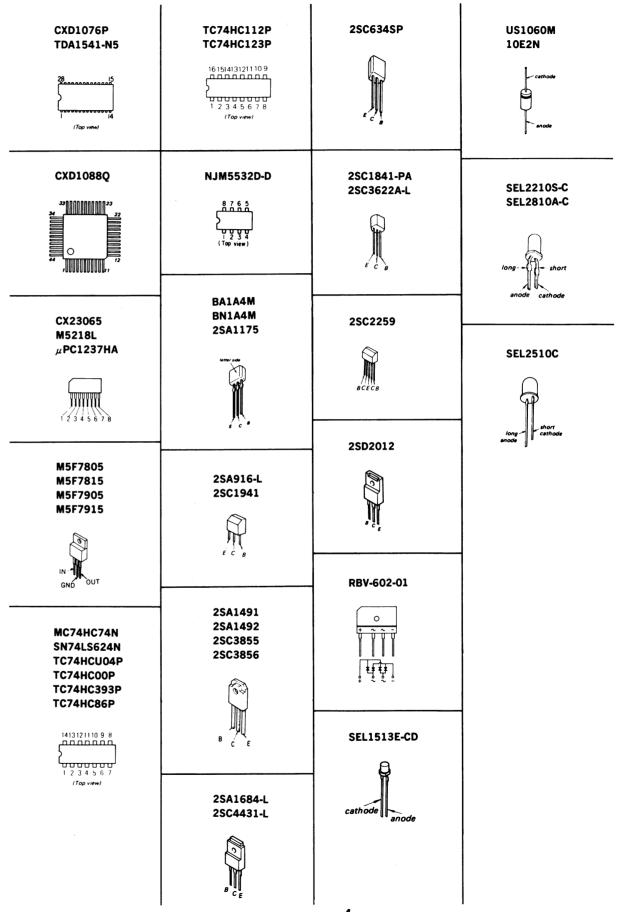


-3-

ADAPTOR SW BOARD

LED (B) BOARD

Semiconductor Lead Layouts



Semiconduc

Ref. No.	Lo
D301	G-2
D302	G-2
D303	J-1
D304	J-1
D306	J-1
D307	J-1
D308	J-1
D309	J-2
D311	G-1
D312	G-1
D314	G-9
D315	G-1
D401	1.2
D402	1-2
D403	1-2
D404 D405	H-2
D405	H-2 H-1
D400	H-1
D407	C-2
D451	C-2
D452	C-2
D454	1.2
D455	1-2
D501	H-4
D506	C-8

Semiconduc

Ref. No. Loca

IC701	B-1
IC702	F-2
IC703	G-2
IC704	F-2
IC705	B-2
IC706	D-3
IC707	B-4
IC708	G-3
IC709	D-4
IC710	C-4
IC711	C-3
IC712	B-5
IC713	D-6
IC714	F-6
IC715	D-2
IC716	C-2
Q701	G-6
Q702	G-5
Q703	D-6
Q704	D-5
Q705	G-4
Q706	B-6
Q707	A-6
Q708	B-6
Q709	B-6

Semiconductor Lead Lavoute

• Semiconductor Lead La	youts		
CXD1076P TDA1541-N5	TC74HC112P TC74HC123P	2SC634SP	US1060M 10E2N
CXD1088Q	NJM5532D-D 8 7 6 5	2SC1841-PA 2SC3622A-L	SEL2210S-C SEL2810A-C
CX23065 M5218L μPC1237HA	BA1A4M BN1A4M 2SA1175	2SC2259	SEL2510C
M5F7805 M5F7815 M5F7905 M5F7915	2SA916-L 2SC1941	2SD2012	
MC74HC74N SN74LS624N TC74HCU04P TC74HC00P TC74HC393P TC74HC86P	2SA1491 2SA1492 2SC3855 2SC3856	SEL1513E-CD	
1 2 3 4 5 6 7 [Top view]	2SA1684-L 2SC4431-L	cathode	

• Semiconductor Location—Amplifier Section—

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D301	G-24	D507	C-8	Q409	H-24
D302	G-24			Q410	1-24
D303	J-15	IC101	C-18	Q411	H-26
D304	J-15	IC201	I-13	Q412	1-26
D306	J-14	IC251 -	I-15	Q413	G-26
D307	J-13	IC301	J-14	Q414	H-26
D308	J-13	IC501	E-22	Q415	H-25
D309	J-20	IC502	G-22	Q451	C-23
D311	G-10	IC503	E-22	Q453	C-23
D312	G-10	IC504	F-22	Q454	C-23
D314	G-9			Q455	C-23
D315	G-10	Q301	J-15	Q456	C-24
D401	I-23	Q302	J-15	Q457	D-26
D402	1-24	Q303	J-13	Q458	D-24
D403	1-24	Q304	J-13	Q459	C-24
D404	H-24	Q305	J-13	Q460	D-24
D405	H-24	Q306	G-11	Q461	C-26
D406	H-10	Q307	G-11	Q462	B-26
D407	H-10	Q308	H-11	Q463	E-26
D451	C-24	Q401	I-23	Q464	C-26
D452	C-24	Q403	H-23	Q465	E-25
D453	C-24	Q404	H-23		
D454	I-24	Q405	1-23		
D455	I-24	Q406	H-24		
D501	H-4	Q407	G-26		
D506	C-8	Q408	I-24		

• Semiconductor Location—D/A Converter Section—

IC701	B-1
IC702	F-2
IC703	G-2
IC704	F-2
IC705	B-2
IC706	D-3
IC707	B-4
IC708	G-3
IC709	D-4
IC710	C-4
IC711	C-3
IC712	B-5
IC713	D-6
IC714	F-6
IC715	D-2
IC716	C-2
Q701	G-6
Q702	G-5
Q703	D-6
Q704	D-5
Q705	G-4
Q706	B-6
Q707	A-6
Q708	B-6
Q709	B-6

Ref. No. Location

• Note on Schematic Diagram—Amplifier Section—

- All capacitors are in μF unless otherwise noted. pF: $\mu \mu F$ 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}W$ or less unless otherwise specified.
- %: indicates tolerance.
- Components for right channel have same values as for left channel. Reference numbers are coded from 150, 160, 250, 260, 450, 460, 470, 480.
- : nonflammable resistor.
- fusible resistor.
- Switch

Ref.No.	Switch	Position
S201	ADAPTOR	OFF
S202	SOURCE DIRECT	OFF
S204	BASS BOOST	OFF
S205	OPTICAL DIGITAL	DAT
	SOURCE	
S301	INPUT SELECTOR	PHONO
S302	REC OUT SELECTOR	SOURCE
S801	POWER	OFF

■WG model: West Germany model

• : B+ Line

• === : B- Line

• adjustment for repair.

- Voltage and waveforms are dc with respect to ground under no-signal conditions.
- Voltages are taken with a VOM (50 $k\Omega/V$).

Voltage variations may be noted due to normal production tolerances.

 Signal path. PHONO

: CD

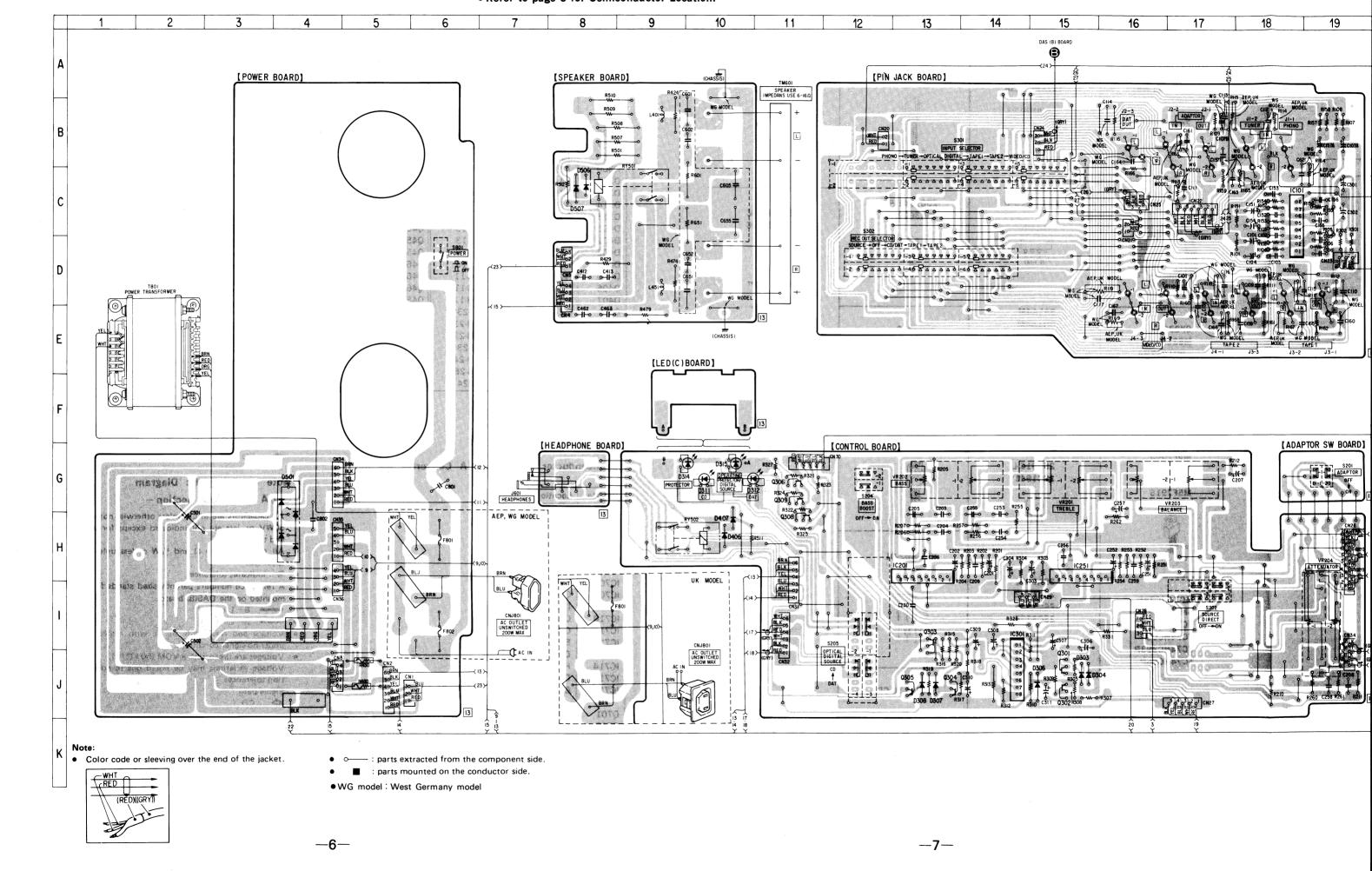
• Note on Schematic Diagram

-D/A Converter Section-

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}W$ or less unless otherwise specified.
- %: indicates tolerance.
- A reference numbers parenthesized stands for a board mounted on the DAS(B) board.
- : B+ Line
- ===: B- Line
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
- Voltages are taken with a VOM (50 kΩ/V).
 - Voltage variations may be noted due to normal production tolerances.
- Signal path.
 - **☞** : CD

TA-V7700

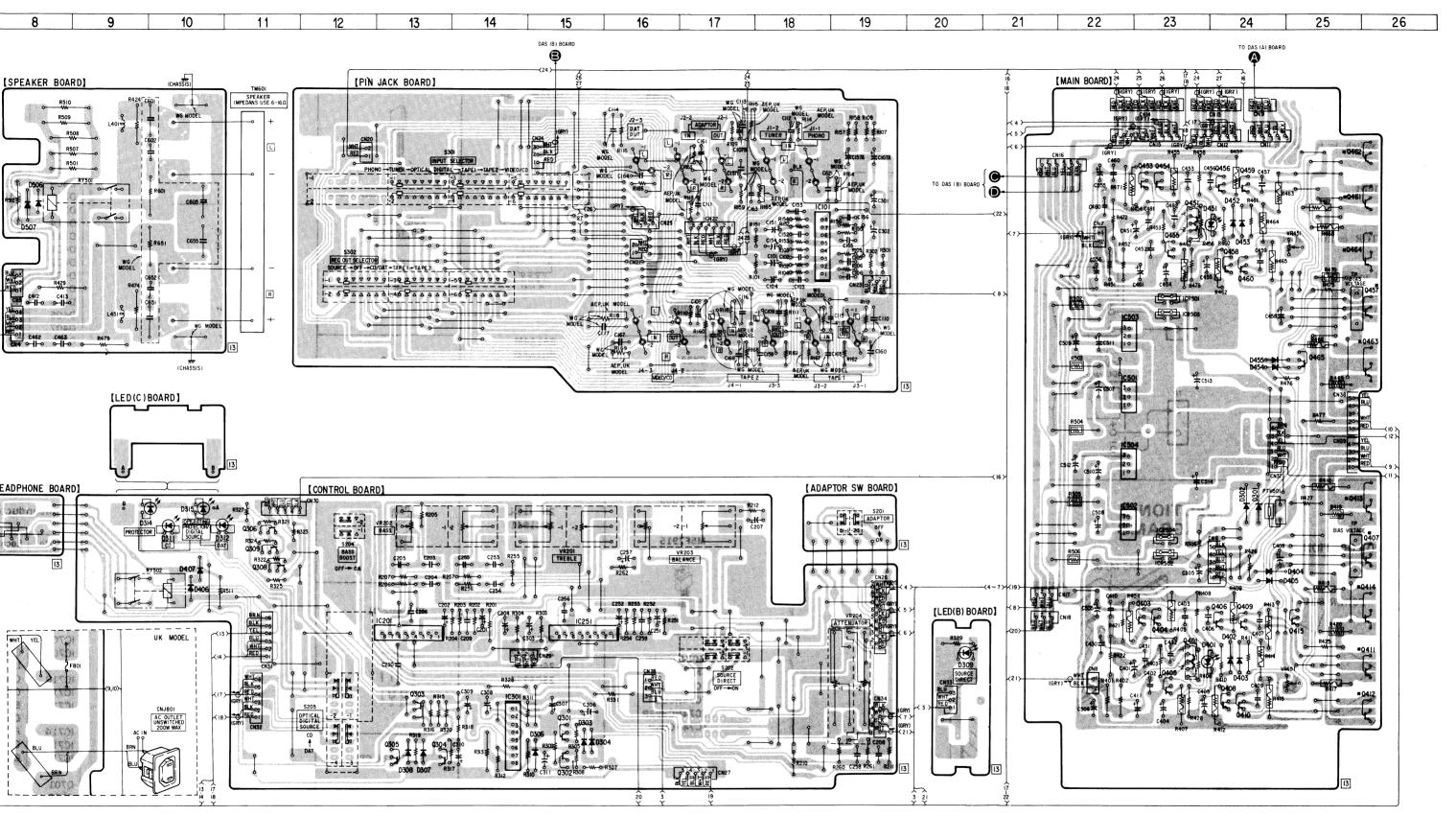
- Refer to page 4 for Semiconductor Lead Layouts.
- Refer to page 5 for Semiconductor Location.

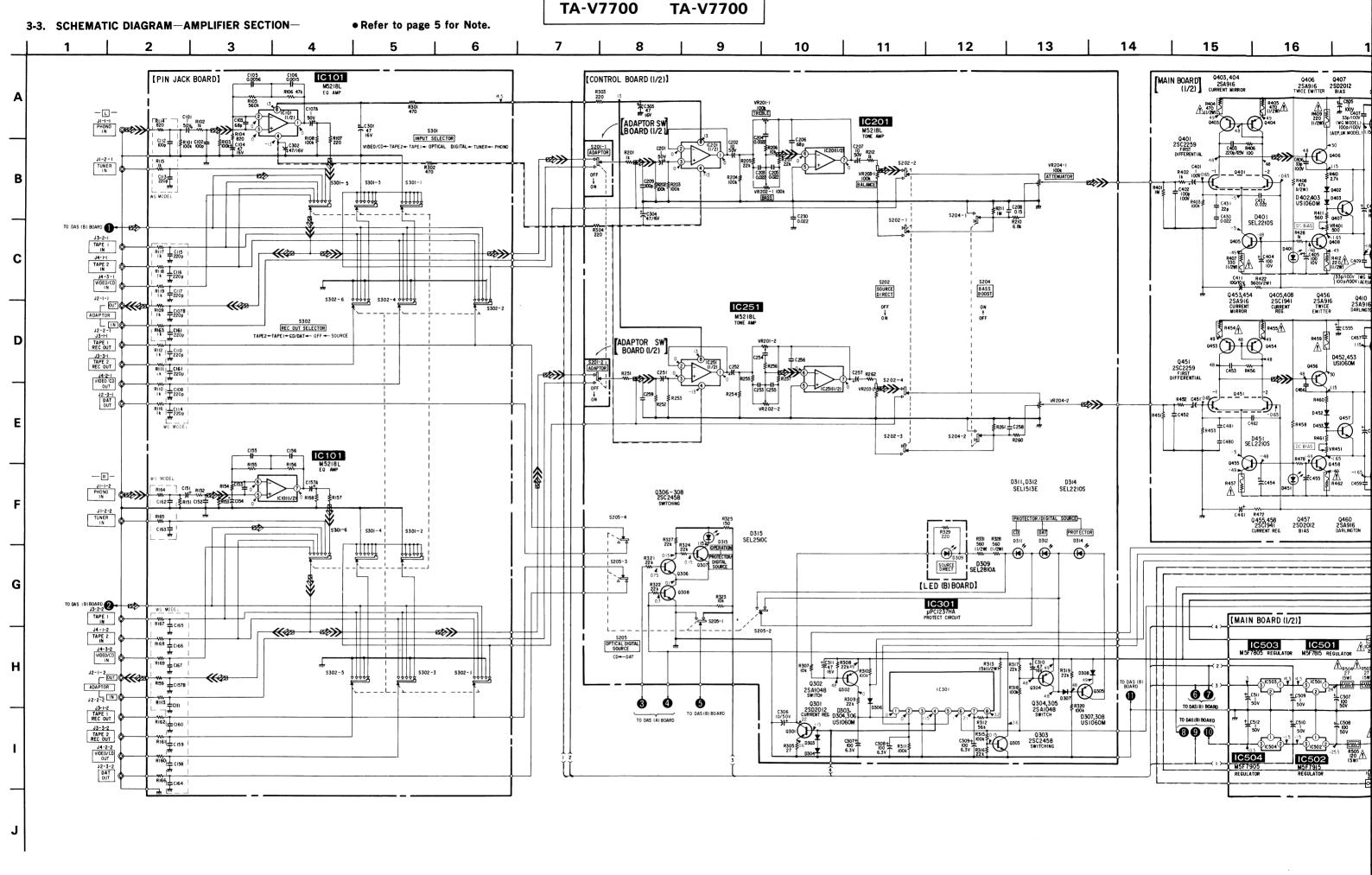


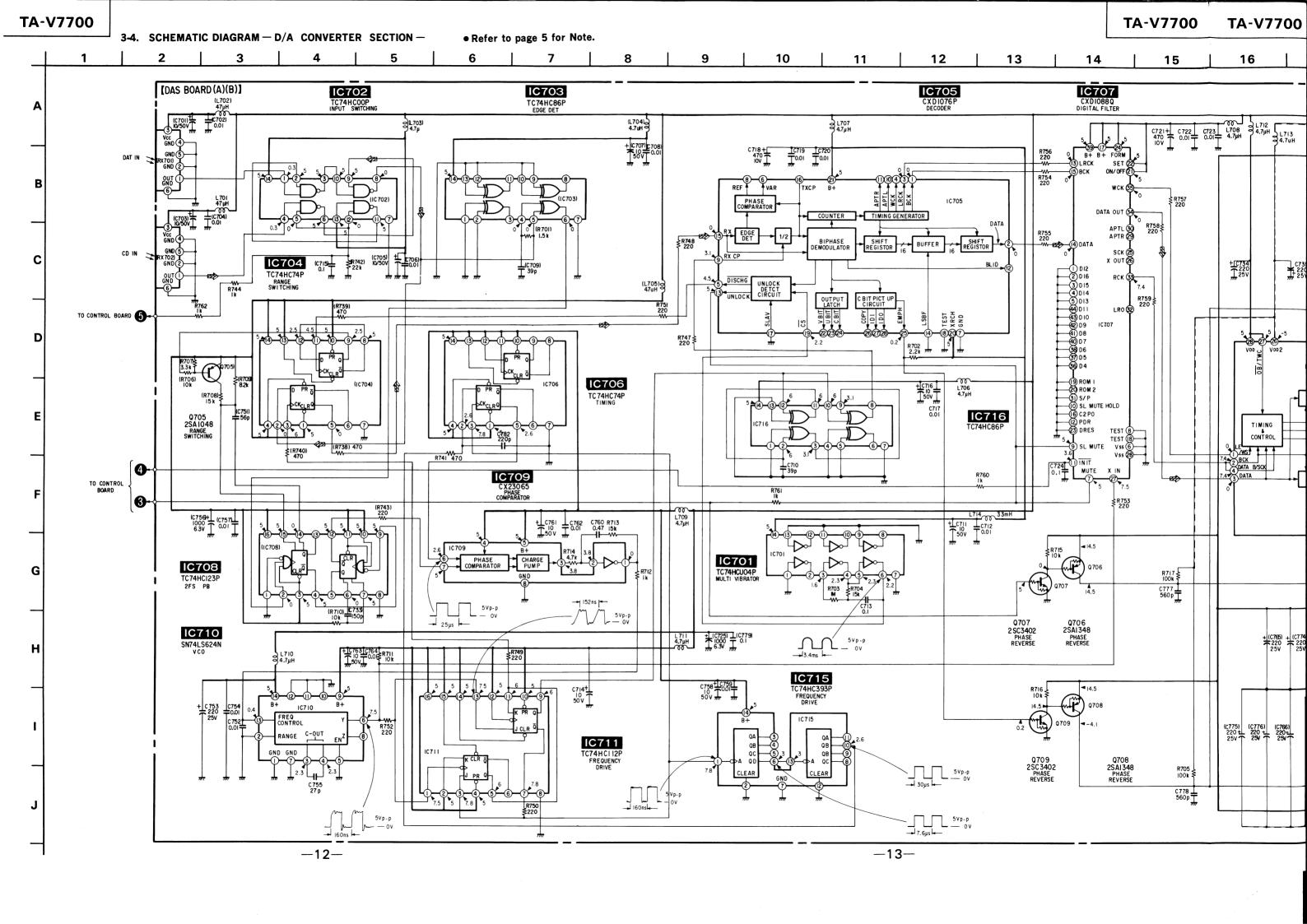
TA-V7700 TA-V7700

e 4 for Semiconductor Lead Layouts.

e 5 for Semiconductor Location.







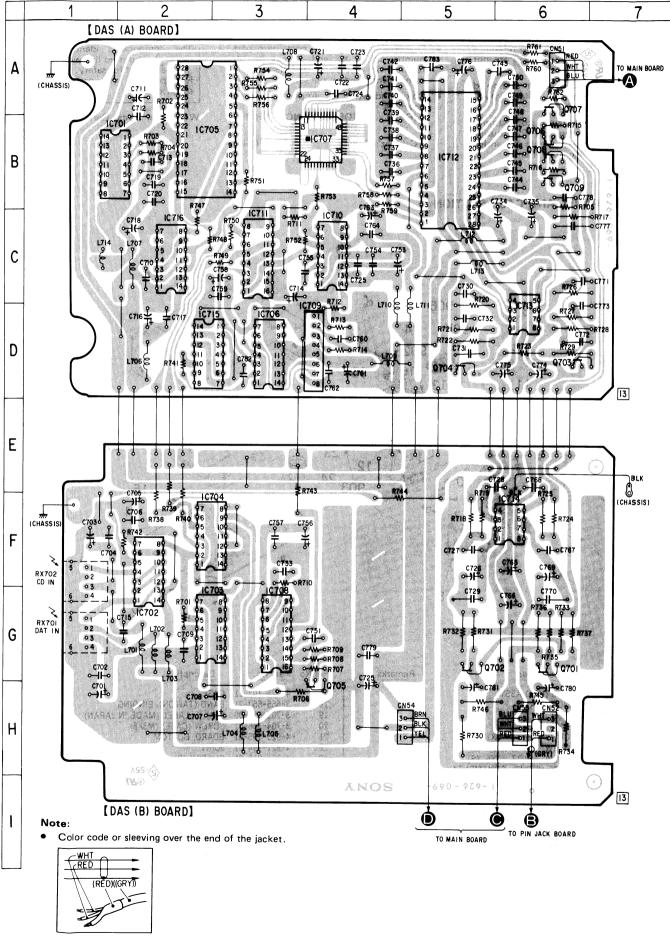
ge 5 for Note. 20 21 17 18 19 22 23 8 9 10 11 12 13 14 15 16 CXD1076P DECODER CXDI088Q DIGITAL FILTER C703 C74HC86P EDGE DET C721+ C722 C723 L708 3 4.7yH 4.7yH 34.7yH 34.7yH (L704) 4.7uH д Б L707 94.7µН IC714 NE5532P I/V CONVERTER IC713 **•** NE5532P LPF + (C707) C708 10719 10.01 7/5 R754 220 APTR WCK WCK BCK BCK BCK REF VAR 3.7 (R724) 2.2k (C769) 22 25V PHASE COMPARATOR 10705 (C767) 0.002 DATA OUT (3 COUNTER TIMING GENERATOR APTL 30 APTR 29 (R70I) 1.5 k R755 220 ₹R748 220 EDGE DET SHIFT REGISTOR BIPHASE DEMODULATOR SHIFT REGISTOR BUFFER SCK (25) X OUT (26) R727 R728 470k Q703 2SC3622A DE - EMPHASIS +[C734 ____220 ___25V C735 220 25V IC712 Q703 (L705)g 47uH UNLOCK DETCT CIRCUIT TDA 1541-N5 R759 € 220 € D/A CONVERTER C B IT PICT U Q701 2SC3622A MUTING 10707 V00 2 V00 2 D (C780) 22 25V L-CH 3x2 BIT ACTIVE DEVICE 10712 TO PIN JACK BOARD (9) ROM 1 20) ROM 2 3) S/P (0) SL MUTE HOLD (6) C2 PO (2) PDR 23) DRES TEST IC706 IC706 (R737) 4.7k 0.7 TC74HC74P L-CH INPUT LATCH L-CH OUTPUT LATCH (R736) ≥ 47 k ≥ Ε IC716 TIMING & CONTROL IO B IT PASSIVE DEVICE TEST 8— TEST (8— Vss 6— SHIFT REGISTOR ADDRESS POINTER 7.44 2 BCK 2 DATA B/SCK 7.44 3 DATA (R733) 4.7k 0.7 osc R732 47 k ≨ R760 R-CH OUTPUT LATCH R-CH INPUT LATCH (0702) →2 TO PIN JACK BOARD (R731) (C781) 820 22 25V R-CH 3x2 BIT ACTIVE DEVICE L709 4.7µH + C761 C762 C760 R713 0.47 15k ■14.5 Q 706 IC701 I C783 R717 100k ≸ G 2.3 R703 R704 M \$ 15k C777 560p Q702 2SC3622A Q706 2SAI348 PHASE REVERSE Q707 2 SC3402 PHASE REVERSE 0.0011 8 14.5 0.0011 8 17.13(1/2) 3.7 (R718) 2.2k + (C725) _ (C779) 1000 _ 0.1 + (C766) + (C774) 220 250 25V 25V L711 4.7µH 5vp-p ≹(R719) 2.2k 0 4 <u>145</u> IC715 C758 + C759 T **▼**14.5 TC74HC393F FREQUENCY DRIVE C714+ 10 50V IC714 IC713 9708 R720 1.8k NE 5532P LPF NE5532P 0.2 10715 (C775) (C776) (C766) 220 ± 220 ± 220 ± 25V ↑ 25V ↑ 25V ↑ R721 R722 470k IC711 Q704 TC74HC112P FREQUENCY DRIVE 2SC3622A DE - EMPHASIS Q704 Q709 2SC3402 PHASE REVERSE Q708 2SAI348 PHASE REVERSE C732 0.0047 \bigcirc R705 ₹ C778 1 560p 1 160ns R723 4.7 k **8** TO MAIN BOARD 5vp-p 0v • -13--14-

TA-V7700

TA-V7700

3-5. PRINTED WIRING BOARD

- Refer to page 4 for Semiconductor Lead Layouts.
- D/A CONVERTER SECTION • Refer to page 5 for Semiconductor Location.



- o---: parts extracted from the component side.
- parts mounted on the conductor side.

SECTION 4 EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts Example:

(RED) . . . KNOB, BALANCE (WHITE)

↑

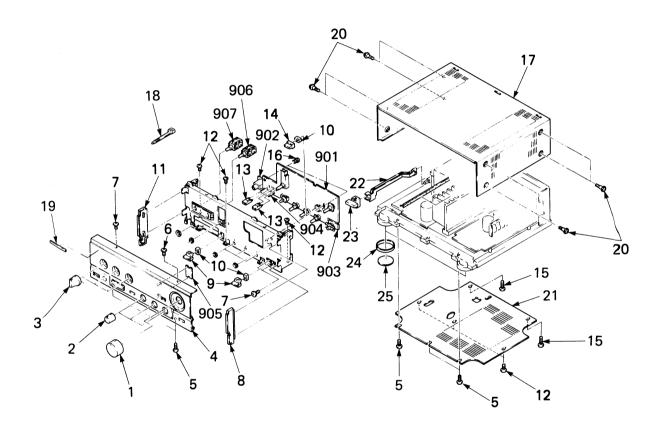
Cabinet's Color

Parts Color

The components identified by mark \bigwedge or dotted line with mark \bigwedge are critical for safety. Replace only with part number specified.

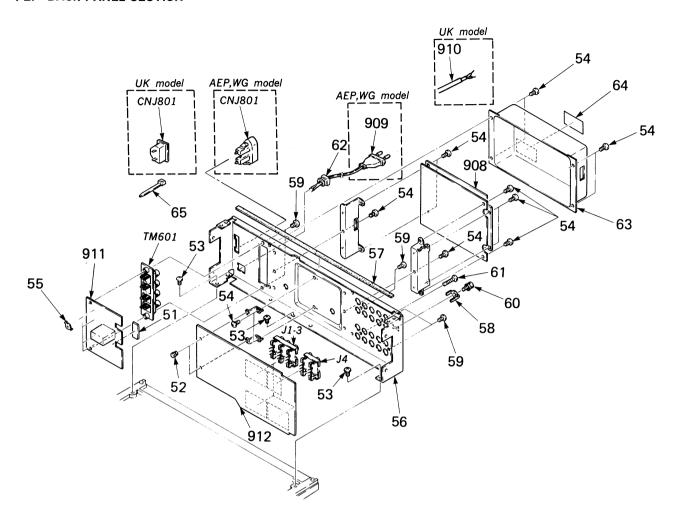
WG model: West Germany model

4-1. FRONT PANEL AND CASE SECTION



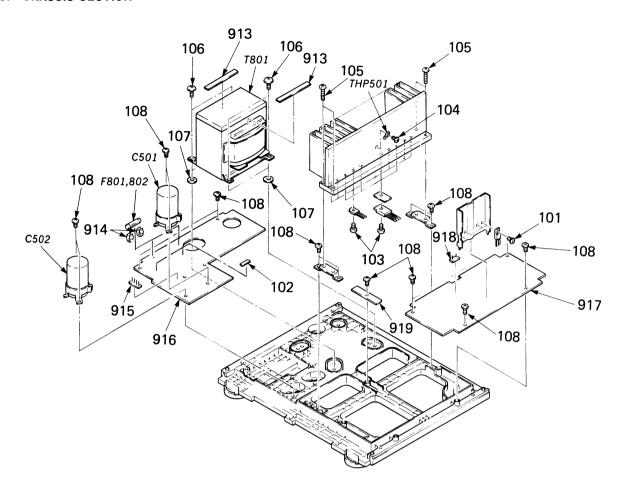
Ref.No	Part No.	Description	Remarks	Ref.No	Part No.	Description	Remarks
1	X-4919-703-1	KNOB (VOL) ASSY	1	17	4-925-107-11	CASE	
2	4-916-746-01	KNOB (DIA.21)		18	3-655-653-21	BAND (TAITON), BINDING	
3	4-921-997-01			19	3-701-690-00	(UK)LABEL (MADE IN JAPAN)	
4	X-4921-902-1	PANEL ASSY		20	3-704-366-01	SCREW (CASE) (M3X8)	
5	7-685-874-09	SCREW +BVTT 3X12 (S)		21	*4-925-105-01	BOARD, BOTTOM	
6	7-682-547-09	SCREW +BV 3X6, S TIGHT		22	*4-921-994-01	JOINT	
7	7-682-147-01			23	4-921-919-01	BUTTON (P)	
8	4-921-995-01	PLATE (RIGHT), ORNAMENTAL		24	4-921-918-11	PLATE, ORNAMENTAL	
9	4-875-721-00	KNOB, TONE CONTROL		25	4-921-906-01	FELT	
10	* 4-864-307-00	RING		901	* A-4375-367-A	MOUNTED PCB, CONTROL	
11	4-921-996-01	PLATE (LEFT), ORNAMENTAL		902	*1-626-064-11	PC BOARD, HEADPHONE	
12	7-685-647-79	SCREW + BVTP 3X10 TYPE2 SLIT		903	*1-626-068-11	PC BOARD, ADAPTOR SW	
13	*4-921-998-01	HOLDER, LED		904	*1-626-067-11	PC BOARD, LED (C)	
14	2-363-012-11	KNOB (6X14), CORNER		905	*1-626-066-11	PC BOARD, LED (B)	
15	3-704-379-01	SCREW (+BV S TIGHT 3X16 CLAW)		906	1-571-463-11	SWITCH, ROTARY SLIDE	
16	4-812-134-11			907	1-571-464-11	SWITCH, ROTARY SLIDE	

4-2. BACK PANEL SECTION



Ref.No	Part No.	Description	Remarks	Ref.No	Part No.	Description	Remarks
51	*4-883-473-00	SPACER, CASSETTE LID	1	63	*4-925-101-01	CASE, SHIELD	
52	4-812-134-11	RIVET NYLON, 3.5		64	*4-921-954-11	(AEP)LABEL, MODEL NUMB	ER (AE)
53	7-685-647-79	SCREW +BVTP 3X10 TYPE2 SLIT		64	*4-921-955-01	(UK)LABEL MODEL NUMBE	R (ÚK)
54	7-682-147-01	SCREW +BVTT 3X6 (S)		64	*4-921-957-01	(WG)LABEL, MODEL NUMBE	ER (AÉ4)
55	*4-923-808-01	PLATE		65			,
56	*4-921-958-11	(AEP, WG)PANEL, BACK		908	*A-4335-813-A	MOUNTED PCB, DAS	
56	* 4-921-958-21	(UK)PANEL BACK]	909	∆ .1-555-750-00	(AEP, WG)CORD, POWER	
57	9-911-815-01	CUSHION				(UK)CORD, POWER	
58	3-701-993-00	SPACER, TERMINAL		911		PC BOARD, SPEAKER	
59	7-685-646-79	SCREW +BVTP 3X8 TYPE2 SLIT		912		PC BOARD, PIN JACK	
60	*3-706-165-00	SCREW		CNJ801	LA.1-526-751-00	(UK)OUTLET, AC	
61	3-704-242-01	SCREW, TERMINAL, + BVTP CLAW				(AEP, WG)OUTLET, AC	
62	* 3-703-244-00	BUSHING (2104), CORD	ı			TERMINAL BOARD, 4P	

4-3. CHASSIS SECTION



Ref.No	Part No.	Description	Remarks	Ref.No Part No.	Description	Remarks
101	7-682-547-09	SCREW B 3X6	į.	917 * A-4410-769-	A (AEP, WG)MOUNTED PCB, MAI	N
102	3-701-947-15	LABEL, FUSE		917 * A-4410-770-	A (UK)MOUNTED PCB, MAIN	
103	7-682-549-09	SCREW +B 3X10		918 1. *1-535-115-00	TERMINAL	
104	7-685-646-79	SCREW +BVTP 3X8 TYPE2 SLIT		919 *1-626-058-11	PC BOARD, WIRE CLAMP	
105	7-685-876-09	SCREW +BVTT 3X16 (S)		C501 1-125-519-11	ELECT 12000MF 2	0% 50V
106	4-304-494-11	SCREW, TAPPING, +PW4X16		C502 1-125-519-11	ELECT 12000MF 2	0% 50V
107	4-916-751-01	•		F801 ⚠.1-532-286-00	FUSE, TIME-LAG (2.5A)	
108	7-685-647-79	SCREW +BVTP 3X10 TYPE2 SLIT		F802 A.1-532-286-00) (AEP, WG)FUSE, TIME-LAG (2.5	A)
913	*1-626-061-11	PC BOARD, ELECTRICITY PREVENTI	ION	THP501 1-800-427-00	POSISTOR	
914	*1-533-185-11	•		T801	. (UK)TRANSFORMER, POWER	
915	*1-535-117-00			T801 ⚠.1-449-228-11	. (AEP, WG)TRANSFORMER, POV	VER
916		PC BOARD, POWER				

SECTION 5 ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS: MF: μF, PF: μμF.

RESISTORS

- All resistors are in ohms.
 F: nonflammable

COILS

• MMH: mH, UH: μH

SEMICONDUCTORS

In each case, U: μ , for example: UA...: μ A..., UPA...: μ PA..., UPC...: μ PD...

The components identified by mark \(\frac{\hat{\Lambda}}{\text{n}} \) or dotted line with mark \(\frac{\hat{\Lambda}}{\text{n}} \) are critical for safety.

Replace only with part number specified.

WG model: West Germany model

Ref.No Part No.	Description				Ref.No	Part No.	Description			
	'-A MOUNTED PCB, CO				C161	1-162-286-31	(WG)CERAMIC	220PF	10%	50V
	11 PC BOARD, HEADP				C162	1-162-282-31		100PF	10%	50V
	11 PC BOARD, ADAPTO				C163	1-162-286-31	(WG)CERAMIC	220PF	10%	50V
	11 PC BOARD, LED (C)				C164	1-162-286-31	(WG)CERAMIC	220PF	10%	50V
905 *1-626-006-	11 PC BOARD, LED (B)	ı			C165	1-162-286-31	(WG)CERAMIC	220PF	10%	50V
906 1-571-463-	11 SWITCH, ROTARY S	LIDE			C166	1-162-286-31	(WG)CERAMIC	220PF	10%	50V
907 1-571-464-	11 SWITCH, ROTARY S	LIDE			C167	1-162-286-31	(WG)CERAMIC	220PF	10%	50V
	3-A MOUNTED PCB, DA				C201	1-123-611-00	ELECT	1MF	20%	50V
	00 (AEP, WG)CORD				C202	1-124-261-00	ELECT	10MF	20%	50V
910 🛦.1-556-035-	00 (UK)CORD, POV	YEK			C203	1-136-157-00	FILM	0.022 M F	5%	50V
911 *1-626-059-	11 PC BOARD, SPEAKE	:R			C204	1-130-475-00	MYLAR	0.0022MF	5%	50V
912 *1-626-063-	11 PC BOARD, PIN JAC	CK			C205	1-136-157-00	FILM	0.022MF	5%	50V
	11 PC BOARD, ELECTR	ICITY PREVI	ENTION	1	C206	1-162-219-31		68PF	5%	50V
	11 HOLDER, FUSE				C207	1-124-261-00	ELECT	10MF	20%	50V
915 *1-535-117-	00 TERMINAL				C208	1-136-167-00	FILM	0.15MF	5%	50V
	11 PC BOARD, POWER				C209	1-162-282-31	CERAMIC	100PF	10%	50V
	-A (AEP, WG)MOU		MAIN		C230	1-161-494-00		0.022MF		50V
	-A (UK)MOUNTED	PCB, MAIN			C251	1-123-611-00	ELECT	1MF	20%	50V
918 A. *1-535-115- 919 *1-626-058-	00 TERMINAL 11 PC BOARD, WIRE C	LAMD			C252 C253	1-124-261-00	ELECT	10MF	20%	50V
313 ×1-020-036-	II PO BOARD, WIRE C	LAWIP			6253	1-136-157-00	FILM	0.022MF	5%	50V
920 *1-535-119-	00 (AEP, WG)TERM	IINAL			C254	1-130-475-00	MYLAR	0.0022MF	5%	50V
					C255	1-136-157-00		0.022MF	5%	50V
	CAPACITOR				C256	1-162-219-31		68PF	5%	50V
C101 1-124-499-	11 FIECT	1845	2007	50V	C257	1-124-261-00	ELECT	10MF	20%	50V
	31 CERAMIC	1MF 100PF	20% 10%	50V 50V	C258	1-136-167-00	FILM	0.15MF	5%	50V
	31 CERAMIC	68PF	5%	50V	C259	1-162-282-31	CERAMIC	100PF	10%	50V
C104 1-124-477-		47MF	20%	16V	C301	1-124-477-11		47MF	20%	16V
C105 1-130-480-	00 MYLAR	0.0056MF	5%	50V	C302	1-124-477-11	ELECT	47MF	20%	16V
0100 1 111					C303	1-124-236-00		47MF	20%	16V
C106 1-130-473- C107A 1-124-499-		0.0015MF	5%	50V	C304	1-124-236-00	ELECT	47MF	20%	16V
C107A 1-124-499- C107B 1-162-286-		1 MF 220PF	20% 10%	50V 50V	C305	1-123-875-11	ELECT	10MF	20%	50V
C108 1-162-286-		220PF	10%	50V	C306	1-124-261-00		10MF	20%	50 V
C109 1-162-286-		220PF	10%	50V	C307	1-123-661-00		100MF	20%	6. 3V
	, ,		. •		C308	1-123-661-00		100MF	20%	6.3V
C110 1-162-286-		220PF	10%	50V	C309	1-123-661-00	ELECT	100MF	20%	6.3V
C111 1-162-286-		220PF	10%	50V						
C112 1-162-282- C113 1-162-286-		100PF	10%	50V	C310	1-124-236-00		47MF	20%	16V
	31 (WG)CERAMIC 31 (WG)CERAMIC	220PF 220PF	10% 10%	50V 50V	C311 C401	1-124-236-00 1-123-380-00		47MF 1MF	20% 20%	16V 100V
0111 1 102 200	or (wa)orkamio	2201 1	10/0	301	C402	1-107-169-00		100PF	5%	100V
C115 1-162-286-	31 (WG)CERAMIC	220PF	10%	50V	C403		POLYSTYRENE	220PF	5%	125V
	31 (WG)CERAMIC	220PF	10%	50V					- , 0	
	31 (WG)CERAMIC	220PF	10%	50V	C404	1-126-101-11		100MF	20%	10V
C151 1-124-499-		1MF	20%	50V	C405	1-126-101-11		100MF	20%	10V
C152 1-162-282-	31 CERAMIC	100PF	10%	50V	C406 C407	1-107-159-00		33PF	5%	100V
C153 1-162-219-	31 CERAMIC	68PF	5%	50V	C407		(AEP, UK)MICA (WG)MICA	33PF 100PF	5% 5%	100V 100V
C154 1-124-477-		47MF	20%	16V	5,407	1 10, 10, 00	(a)mioA	1001 1	J/0	1004
C155 1-130-480-		0.0056MF	5%	50V	C408	1-126-101-11	ELECT	100MF	20%	10V
C156 1-130-473-		0.0015MF	5%	50V	C409	1-107-159-00	(AEP, UK)MICA	33PF	5%	100V
C157A 1-124-499-	II ELECT	1MF	20%	50V	C409		(WG)MICA	100PF	5%	100V
C157B 1-162-286-	OT (MC) CERAMIC	22005	100/	E0V	C410	1-107-202-00		10PF	0.5PF	
	B1 (WG)CERAMIC B1 (WG)CERAMIC	220PF 220PF	10% 10%	50V 50V	C411	1-126-101-11	ELECT	100 M F	20%	10V
C159 1-162-286-		220PF	10%	50V	C412	1-136-161-00	FII M	0.047MF	5%	50V
	31 (WG)CERAMIC	220PF	10%	50V	C413	1-136-161-00		0.047MF	5%	50V
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Ref.No	Part No.	Description				Ref.No	Part No.	Description			
C430 C431 C432 C451 C452	1-161-494-00 1-162-207-31 1-162-282-31 1-123-380-00 1-107-169-00	CERAMIC CERAMIC CERAMIC ELECT MICA	0.0022MF 22PF 100PF 1MF 100PF	5% 10% 20% 5%	25V 50V 50V 100V	C725 C726 C727 C728 C729	1-124-471-00 1-123-330-00 1-136-022-11 1-136-019-11 1-130-029-00	ELECT ELECT FILM FILM FILM	1000MF 22MF 0.002MF 0.0011MF 0.0082MF	20% 20% 5% 5% 5%	6.3V 25V 50V 50V 50V
C453 C454 C455 C456 C457	1-104-233-00 1-126-101-11 1-126-101-11 1-107-159-00 1-107-159-00	POLYSTYRENE ELECT ELECT MICA (AEP, UK)MICA	220PF 100MF 100MF 33PF 33PF	5% 20% 20% 5% 5%	125V 10V 10V 100V 100V	C730 C731 C732 C733 C734	1-136-022-11 1-130-738-00 1-136-287-11 1-101-361-00 1-124-120-11	FILM FILM CERAMIC ELECT	0.002MF 0.015MF 0.0047MF 150PF 220MF	5% 5% 5% 5% 20%	50V 50V 50V 50V 25V
C457 C458 C459 C459 C460	1-107-169-00 1-126-101-11 1-107-159-00 1-107-169-00 1-107-202-00	(WG)MICA ELECT (AEP, UK)MICA (WG)MICA MICA	100PF 100MF 33PF 100PF 10PF	5% 20% 5% 5% 0.5PF	100V 10V 100V 100V 100V	C735 C736 C737 C738 C739	1-124-120-11 1-136-165-00 1-136-165-00 1-136-165-00 1-136-165-00	ELECT FILM FILM FILM FILM	220MF 0.1MF 0.1MF 0.1MF 0.1MF	20% 5% 5% 5% 5%	25V 50V 50V 50V 50V
C461 C462 C463 C480 C481	1-126-101-11 1-136-161-00 1-136-161-00 1-161-494-00 1-162-207-31	ELECT FILM FILM CERAMIC CERAMIC	100MF 0.047MF 0.047MF 0.0022MF 22PF	20% 5% 5% 5%	10V 50V 50V 25V 50V	C740 C741 C742 C743 C744	1-136-165-00 1-136-165-00 1-136-165-00 1-162-290-31 1-136-165-00	FILM FILM FILM CERAMIC FILM	0.1MF 0.1MF 0.1MF 470PF 0.1MF	5% 5% 5% 10% 5%	50V 50V 50V 50V 50V
C482 C501 C502 C505 C506	1-162-282-31 1-125-519-11 1-125-519-11 1-123-380-00 1-123-380-00	ELECT ELECT ELECT	100PF 12000MF 12000MF 1MF 1MF	10% 20% 20% 20% 20%	50V 50V 50V 100V	C745 C746 C747 C748 C749	1-136-165-00 1-136-165-00 1-136-165-00 1-136-165-00 1-136-165-00	FILM FILM FILM FILM FILM	0.1MF 0.1MF 0.1MF 0.1MF 0.1MF	5% 5% 5% 5% 5%	50V 50V 50V 50V 50V
C507 C508 C509 C510 C511	1-124-122-11 1-124-122-11 1-124-499-11 1-124-499-11 1-124-499-11	ELECT ELECT ELECT	100MF 100MF 1MF 1MF 1MF	20% 20% 20% 20% 20%	50V 50V 50V 50V 50V	C750 C751 C752 C753 C754	1-136-165-00 1-101-884-00 1-136-153-00 1-124-120-11 1-136-153-00	FILM CERAMIC FILM ELECT FILM	0.1MF 56PF 0.01MF 220MF 0.01MF	5% 5% 5% 20% 5%	50V 50V 50V 25V 50V
C512 C513 C514 C555 C556	1-124-499-11 1-124-122-11 1-124-122-11 1-123-380-00 1-123-380-00	ELECT	1MF 100MF 100MF 1MF 1MF	20% 20% 20% 20% 20% 20%	50V 50V 50V 100V	C755 C756 C757 C758 C759	1-162-209-31 1-124-471-00 1-136-153-00 1-124-261-00 1-136-153-00	CERAMIC ELECT FILM ELECT FILM	27PF 1000MF 0.01MF 10MF 0.01MF	5% 20% 5% 20% 5%	50V 6.3V 50V 50V 50V
C601 C602 C605 C651 C652	1-136-164-00 1-136-164-00 1-161-326-00 1-136-164-00 1-136-164-00	(WG) FILM (WG) FILM (WG) CERAMIC (WG) FILM (WG) FILM	0.082MF 0.082MF 0.0022MF 0.082MF 0.082MF	5% 5% 30% 5% 5%	50V 50V 50V 50V 50V	C760 C761 C762 C763 C764	1-136-173-00 1-124-261-00 1-136-153-00 1-124-261-00 1-136-153-00	FILM ELECT FILM ELECT FILM	0.47MF 10MF 0.01MF 10MF 0.01MF	5% 20% 5% 20% 5%	50V 50V 50V 50V 50V
C655 C701 C702 C703 C704	1-161-326-00 1-124-261-00 1-136-153-00 1-124-261-00 1-136-153-00	ELECT	0.0022MF 10MF 0.01MF 10MF 0.01MF	30% 20% 5% 20% 5%	50V 50V 50V 50V 50V	C765 C766 C767 C768 C769	1-124-120-11 1-124-120-11 1-136-022-11 1-136-019-11 1-123-330-00	ELECT FILM FILM	220MF 220MF 0.002MF 0.0011MF 22MF	20% 20% 5% 5% 20%	25V 25V 50V 50V 25V
C705 C706 C707 C708 C709	1-124-261-00 1-136-153-00 1-124-261-00 1-136-153-00 1-162-213-31	FILM ELECT FILM	10MF 0.01MF 10MF 0.01MF 39PF	20% 5% 20% 5% 5%	50V 50V 50V 50V 50V	C770 C771 C772 C773 C774	1-130-029-00 1-136-022-11 1-130-738-00 1-136-287-11 1-124-120-11	FILM FILM FILM	0.0082MF 0.002MF 0.015MF 0.0047MF 220MF	5% 5% 5% 5% 20%	50V 50V 50V 50V 25V
C710 C711 C712 C713 C714	1-162-213-31 1-124-261-00 1-136-153-00 1-136-165-00 1-124-261-00	ELECT Film Film	39PF 10MF 0.01MF 0.1MF 10MF	5% 20% 5% 5% 20%	50V 50V 50V 50V 50V	C775 C776 C777 C778 C779	1-124-120-11 1-124-120-11 1-162-291-31 1-162-291-31 1-136-165-00	ELECT CERAMIC CERAMIC	220MF 220MF 560PF 560PF 0.1MF	20% 20% 10% 10% 5%	25V 25V 50V 50V 50V
C715 C716 C717 C718 C719	1-136-165-00 1-124-261-00 1-136-153-00 1-124-472-11 1-136-153-00	ELECT Film Elect	0.1MF 10MF 0.01MF 470MF 0.01MF	5% 20% 5% 20% 5%	50V 50V 50V 10V 50V	C780 C781 C782 C783 C801 A	1-123-330-00 1-123-330-00 1-102-110-00 1-162-851-11 \(\(\).1-161-744-00\)		22MF 22MF 220PF 0.1MF 0.01MF	20% 20% 10% 10%	25V 25V 50V 16V 400V
C720 C721 C722 C723 C724	1-136-153-00 1-124-472-11 1-136-153-00 1-136-153-00 1-136-165-00	ELECT FILM FILM	0.01MF 470MF 0.01MF 0.01MF 0.1MF	5% 20% 5% 5% 5%	50V 10V 50V 50V 50V	CN2 CN3 CN6	1.1-161-744-00 * 1-564-509-11 * 1-564-507-41 * 1-564-508-11 * 1-564-505-11	PLUG, CONNECTOR 4	P P		400V

Note: The components identified by mark \(\frac{\hat{\Lambda}}{\text{ or dotted}}\) or dotted line with mark \(\frac{\hat{\Lambda}}{\text{ are critical for si fety.}}\)
Replace only with part number spezified.

Ref.No Part No. Description	Ref.No Part No. Description
CN8 *1-564-505-41 PLUG. CONNECTOR 2P	IC713 8-759-701-21 IC NJM5532D-D
CN9 *1-564-506-11 PLUG, CONNECTOR 3P	IC714 8-759-701-21 IC NJM5532D-D
CN11 *1-564-508-11 PLUG, CONNECTOR 5P	IC715
CN12 *1-564-509-11 PLUG, CONNECTOR 6P CN13 *1-564-509-11 PLUG, CONNECTOR 6P	10/10 0-/59-202-24 IC 1C/4HC80P
	ICR501.
CN14 *1-564-512-41 PLUG, CONNECTOR 9P CN15 *1-564-512-41 PLUG, CONNECTOR 9P	ICR502∆.1-532-686-21 LINK, IC ICP-N75 2.7A ICR503∆.1-532-686-21 LINK, IC ICP-N75 2.7A
CN16 *1-564-509-11 PLUG, CONNECTOR 6P	ICR504≜.1-532-686-21 LINK, IC ICP-N75 2.7A
CN17 *1-564-506-11 PLUG, CONNECTOR 3P CN18 *1-564-506-11 PLUG, CONNECTOR 3P	11 1-565-204-11 IACK DIN 4D (DHONO IN TUNED IN)
CIN16 *1-304-300-11 FLUG, CONNECTOR SF	J1 1-565-304-11 JACK, PIN 4P (PHONO IN, TUNER IN) J2 1-565-305-11 JACK, PIN 6P (ADAPTOR IN/OUT, DAT OUT)
CN26 *1-564-512-11 PLUG, CONNECTOR 9P	J3 1-565-305-11 JACK, PIN 6P (TAPE 1 IN, TAPE 1 REC OUT, TAPE 2
CN32 *1-564-509-11 PLUG, CONNECTOR 6P CN33 *1-564-518-11 PLUG, CONNECTOR 3P	REC OUT) J4 1-565-305-11 JACK, PIN 6P (TAPE 2 IN, VIDEO /CD IN/OUT)
CN52 *1-564-506-11 PLUG, CONNECTOR 3P	J601 1-565-305-11 JACK, LARGE TYPE 1P (HEADPHONES)
CNJ801A1-526-751-00 (UK)OUTLET, AC	L401 *1-420-872-00 COIL AIR CORE 1.9UH
CNJ801 <u>A</u> 1-526-794-11 (AEP, WG)OUTLET, AC	L451 *1-420-872-00 COIL, AIR CORE 1.9UH
D301 8-719-200-77 DIODE 10E2N	L701 1-408-571-00 INDUCTOR 47UH L702 1-408-571-00 INDUCTOR 47UH
D302 8-719-200-77 DIODE 10E2N	L703 1-408-559-00 INDUCTOR 4.7UH
D303 8-719-000-26 DIODE US1060M	1 704 1 400 FF0 00 INDUSTOR 4 71111
D304 8-719-000-26 DIODE US1060M D306 8-719-000-26 DIODE US1060M	L704 1-408-559-00 INDUCTOR 4.7UH L705 1-408-559-00 INDUCTOR 4.7UH
	L706 1-408-559-00 INDUCTOR 4.7UH
D307 8-719-000-26 DIODE US1060M D308 8-719-000-26 DIODE US1060M	L707 1-408-559-00 INDUCTOR 4.7UH L708 1-408-559-00 INDUCTOR 4.7UH
D309 8-719-301-52 DIODE SEL2810A-C	1 400 339 00 INDOCTOR 4.7011
D311 8-719-310-23 DIODE SEL1513E-CD	L709 1-408-559-00 INDUCTOR 4.7UH
D312 8-719-310-23 DIODE SEL1513E-CD	L710 1-408-559-00 INDUCTOR 4.7UH L711 1-408-559-00 INDUCTOR 4.7UH
D314 8-719-301-38 DIODE SEL2210S-C	L712 1-408-559-00 INDUCTOR 4.7UH
D315 8-719-303-00 DIODE SEL2510C-C D401 8-719-301-38 DIODE SEL2210S-C	L713 1-408-559-00 INDUCTOR 4.7UH
D402 8-719-000-26 DIODE US1060M	L714 1-408-930-00 INDUCTOR 33MMH
D403 8-719-000-26 DIODE US1060M	Q301 8-729-209-15 TRANSISTOR 2SD2012
D404 8-719-000-26 DIODE US1060M	Q302 8-729-117-54 TRANSISTOR 2SA1175
D405 8-719-000-26 DIODE US1060M D406 8-719-000-26 DIODE US1060M	Q303 8-729-600-27 TRANSISTOR 2SC634SP Q304 8-729-117-54 TRANSISTOR 2SA1175
D407 8-719-000-26 DIODE USI060M	Q305 8-729-117-54 TRANSISTOR 2SA1175
D451 8-719-301-38 DIODE SEL2210S-C	0.206 0.700.600.07 TDANGISTOD 2005240D
D452 8-719-000-26 DIODE US1060M	Q306 8-729-600-27 TRANSISTOR 2SC634SP Q307 8-729-600-27 TRANSISTOR 2SC634SP
D453 8-719-000-26 DIODE US1060M	Q308 8-729-600-27 TRANSISTOR 2SC634SP
D454 8-719-000-26 DIODE US1060M D455 8-719-000-26 DIODE US1060M	Q401 8-729-625-91 TRANSISTOR 2SC2259 Q403 8-729-191-62 TRANSISTOR 2SA916-L
D501 8-719-302-38 DIODE RBV-602-01	
D506 8-719-000-26 DIODE US1060M D507 8-719-000-26 DIODE US1060M	Q404 8-729-191-62 TRANSISTOR 2SA916-L Q405 8-729-194-12 TRANSISTOR 2SC1941
	Q406 8-729-191-62 TRANSISTOR 2SA916-L
F801	Q407 8-729-209-15 TRANSISTOR 2SD2012 Q408 8-729-194-12 TRANSISTOR 2SC1941
1002 18.1-332-200-00 (ALF, Wa)103E, HIME EAG (2.3A)	Q400 0 723 134 12 TRANSISTOR 2301341
IC101 8-759-600-02 IC M5218L IC201 8-759-600-02 IC M5218L	Q409 8-729-194-12 TRANSISTOR 2SC1941 Q410 8-729-191-62 TRANSISTOR 2SA916-L
IC251 8-759-600-02 IC M5216L	Q410 8-729-191-02 TRANSISTOR 25A916-L Q411 8-729-120-05 TRANSISTOR 2SC4431-L
IC301 8-759-111-68 IC UPC1237HA	Q412 8-729-120-02 TRANSISTOR 2SA1684-L
IC501 8-759-604-34 IC M5F7815	Q413 8-729-304-32 TRANSISTOR 2SC3855
IC502 8-759-604-52 IC M5F7915	Q414 8-729-304-29 TRANSISTOR 2SA1491
IC503 8-759-604-29 IC M5F7805 IC504 8-759-604-47 IC M5F7905	Q415 8-729-108-05 TRANSISTOR 2SC1841TP-PA Q451 8-729-625-91 TRANSISTOR 2SC2259
IC701 8-759-202-13 IC TC74HCU04P	Q453 8-729-191-62 TRANSISTOR 2SA916-L
IC702 8-759-202-11 IC TC74HC00P	Q454 8-729-191-62 TRANSISTOR 2SA916-L
IC703 8-759-202-24 IC TC74HC86P	Q455 8-729-194-12 TRANSISTOR 2SC1941
IC704 8-759-000-99 IC MC74HC74N IC705 8-752-322-31 IC CXD1076P	Q456 8-729-191-62 TRANSISTOR 2SA916-L Q457 8-729-209-15 TRANSISTOR 2SD2012
IC706 8-759-000-99 IC MC74HC74N	Q458 8-729-194-12 TRANSISTOR 2SC1941
IC707 8-759-939-35 IC CXD1088Q	Q459 8-729-194-12 TRANSISTOR 2SC1941
IC708 8-759-202-86 IC TC74HC123P	Q460 8-729-191-62 TRANSISTOR 2SA916-L
IC709 8-759-918-71 IC CX23065 IC710 8-759-906-24 IC SN74LS624N	Q461 8-729-120-05 TRANSISTOR 2SC4431-L Q462 8-729-120-02 TRANSISTOR 2SA1684-L
IC711 8-759-202-85 IC TC74HC112P	Q463 8-729-304-32 TRANSISTOR 2SC3856
IC712 8-759-939-94 IC TDA1541-N5	Q464 8-729-304-29 TRANSISTOR 2SA1491

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Ref.No	Part No.	Description				Ref.No	Part No.	Description				
Q465	8-729-108-05	TRANSISTOR 2SC				R256	1-249-429-11	CARBON	10K	5%	1/4W	
Q701 Q702	8-729-107-98 8-729-107-98	TRANSISTOR 2SC TRANSISTOR 2SC				R257 R260	1-249-433-11 1-249-427-11		22K 6.8K	5% 5%	1/4W 1/4W	
Q702 Q703	8-729-107-98	TRANSISTOR 2SC				R261	1-247-903-00		1M	5%	1/4W	
Q704	8-729-107-98	TRANSISTOR 2SC				R262	1-249-417-11		1K	5%	1/4W	
0705	0 700 117 54	TDANICICTOD 2CA	1175			R301	1-249-413-11	CARRON	470	E0/	1/4W	
Q705 Q706	8-729-117-54 8-729-115-15	TRANSISTOR 2SA TRANSISTOR BNI				R302	1-249-413-11		470	5% 5%	1/4W	
Q707	8-729-115-75	TRANSISTOR BAI				R303	1-249-409-11		220	5%	1/4W	
Q708	8-729-115-15	TRANSISTOR BAI				R304	1-249-409-11		220	5%	1/4W	
Q709	8-729-115-75	TRANSISTOR BAI	A4M			R305	1-249-398-11	CARBON	27	5%	1/4W	
	RE	SISTOR				R306	1-249-433-11	CARBON	22K	5%	1/4W	
	_					R307	1-249-429-11	CARBON	10K	5%	1/4W	
R101	1-249-441-11	CARRON	100K	5%	1/4W	R308 R309	1-249-433-11 1-249-433-11	CARBON	22K 22K	5% 5%	1/4W 1/4W	
R101	1-249-441-11	CARBON	166K	5%	1/4W	R310	1-249-441-11		100K	5%	1/4W	
R103	1-249-441-11	CARBON	100K	5%	1/4W					-70	-,	
R104	1-249-416-11	CARBON	820	5%	1/4W	R311	1-249-441-11		100K	5%	1/4W	
R105	1-247-897-11	CARBON	560K	5%	1/4W	R312 R313	1-249-438-11 1-249-487-11		56K 15K	5% 5%	1/4W 1/2W	
R106	1-249-437-11	CARBON	47K	5%	1/4W	R315	1-249-441-11		100K	5%	1/4W	
R107	1-249-409-11	CARBON	220	5%	1/4W	R316	1-249-433-11		22K	5%	1/4W	
R108			100K	5%	1/4W	D217	1 240 422 11	CARRON	2214	F0/	1 /414/	
R109 R110	1-249-417-11 1-249-417-11	CARBON CARBON	1K 1K	5% 5%	1/4W 1/4W	R317 R318	1-249-433-11 1-249-441-11	CARBON	22K 100K	5% 5%	1/4W 1/4W	
IVIIO	1 243 417 11	OANBOIT	110	3/0	1/ 411	R319	1-249-433-11		22K	5%	1/4W	
R111	1-249-417-11	CARBON	1K	5%	1/4W	R320	1-249-441-11		100K	5%	1/4W	
R112	1-249-417-11	CARBON	1K	5%	1/4W 1/4W	R321	1-249-433-11	CARBON	22K	5%	1/4W	
R113 R114	1-247-831-00 1-247-829-00	(WG)CARBON		5% 5%	1/4W	R322	1-249-433-11	CARBON	22K	5%	1/4W	
R115	1-247-831-00	(WG)CARBON		5%	1/4W	R323	1-249-429-11		10K	5%	1/4W	
5116		0.4.0.00.11	***	50 /	1/04	R324	1-249-433-11		22K	5%	1/4W	
R116 R117	1-249-417-11 1-247-831-00	CARBON (WG)CARBON	1K	5% 5%	1/4W 1/4W	R325 R327	1-249-407-11 1-249-433-11		150 22K	5% 5%	1/4W 1/4W	
R118	1-247-831-00	(WG)CARBON		5%	1/4W	11327	1 243 433 11	OARBON	2211	J/0	1/4**	
R119	1-247-831-00	(WG)CARBON	I 1K	5%	1/4W	R328	1-247-749-11		560	5%	1/2W	
R151	1-249-441-11	CARBON	100K	5%	1/4W	R329	1-249-409-11		220	5%	1/4W	
R152	1-249-417-11	CARBON	1K	5%	1/4W	R331 R401	1-247-749-11 1-246-545-00	CARBON CARBON	560 1 M	5% 5%	1/2W 1/4W	
R153	1-249-441-11	CARBON	100K	5%	1/4W	R402	1-247-713-11		1K	5%	1/4W	
R154	1-249-416-11	CARBON	820	5%	1/4W	D.400	1 040 450 11	0.1.0.0.1	1001/	F0.	1 / 4141	
R155 R156	1-247-897-11 1-249-437-11	CARBON	560K 47K	5% 5%	1/4W 1/4W	R403	1-249-469-11 1-212-998-00	FUSIBLE	100K 470	5% 5%	1/4W 1/2W	F
11130	1 243 437 11	OARBON	4/10	3/0	2/ 411			FUSIBLE	470	5%	1/2W	F
R157	1-249-409-11	CARBON	220	5%	1/4W	R406	1-247-700-11	CARBON	100	5%	1/4W	_
R158 R159	1-249-441-11 1-249-417-11	CARBON CARBON	100K 1K	5% 5%	1/4W 1/4W	R407 <u>/</u>	∆.1-212-994-00	FUSIBLE	330	5%	1/2W	F
R160	1-249-417-11	CARBON	1K	5%	1/4W	R408	1-249-492-11	CARBON	47K	5%	1/2W	
R161			1K	5%	1/4W		\.1-212-990-00	FUSIBLE	220	5%	1/2W	F
D160	1 040 417 11	OARRON	11/	F0/	1 / 414/	R410	1-247-718-11		2.7K	5%	1/4W	
R162 R163	1-249-417-11 1-247-831-00	(WG)CARBON	1K	5% 5%	1/4W 1/4W	R411	1-247-710-11 \(\triangle 1-212-990-00\)		560 220	5% 5%	1/4W 1/2W	F
R164	1-247-829-00	(WG)CARBON		5%	1/4W	11412 1	2.1 212 330 00	TOSIBLE	220	3/0	1,211	•
R165	1-247-831-00	(WG)CARBON		5%	1/4W		1-212-982-00		100	5%	1/2W	F
R166	1-249-417-11	CARBON	1K	5%	1/4W		\.1-212-998-00 \.1-212-982-00	FUSIBLE	470 100	5% 5%	1/2W 1/2W	F F
R167	1-247-831-00	(WG)CARBON	1K	5%	1/4W		1.1-212-958-00 1.1-212-958-00		100	5%	1/2W	F
R168	1-247-831-00	(WG)CARBON		5%	1/4W	R417 🔏	\dagged.1-212-990-00	FUSIBLE	220	5%	1/2W	F
R169 R201	1-247-831-00	(WG)CARBON		5%	1/4W 1/4W	D410 A	∆.1-212-958-00	FUSIBLE	10	EO/	1/2W	F
R202	1-249-417-11 1-249-441-11	CARBON	100K 100K	5% 5%	1/4W		2.1-212-938-00 2.1-217-611-00	METAL PLATE	10 0.1	5% 10%	2W	-
				-70	·		1.1-217-611-00		0.1	10%	2W	
R203	1-249-441-11		100K	5%	1/4W	R421	1-249-496-11		100K	5%	1/2W	
R204 R205	1-249-441-11 1-249-433-11	CARBON	100K 22K	5% 5%	1/4W 1/4W	R422	1-247-749-11	CARBON	560	5%	1/2W	
R206	1-249-429-11		10K	5%	1/4W	R424	1-247-727-11	CARBON	10	5%	1/2W	
R207	1-249-433-11	CARBON	22K	5%	1/4W	R425	1-247-700-11	CARBON	100	5%	1/4W	
R210	1-249-427-11	CARRON	6.8K	5%	1/4W	R426 R427	1-249-431-11 1-249-437-11		15K 47K	5% 5%	1/4W 1/4W	
R211	1-247-903-00	CARBON	0.0K	5% 5%	1/4W	R427 R428	1-249-437-11		4/K 1K	5% 5%	1/4W	
R212	1-249-417-11	CARBON	1K	5%	1/4W							
R251	1-249-417-11		1K	5%	1/4W	R429	1-249-485-11		8.2	5%	1/2W	F
R252	1-249-441-11	CAKBUN	100K	5%	1/4W	R430 <u>A</u> R451	1-213-096-00 1-246-545-00	FUSIBLE CARBON	330 1 M	5% 5%	1W 1/4W	г
R253	1-249-441-11	CARBON	100K	5%	1/4W	R452	1-247-713-11		1K	5%	1/4W	
R254	1-249-441-11		100K	5%	1/4W	R453	1-249-469-11	CARBON	100K	5%	1/4W	
R255	1-249-433-11	CAKBON	22K	5%	1/4W							

Ref.No F	Part No.	Description					Ref.No	Part No.	Description			
R455 ⚠.1 R456 1 R457 ⚠.1	-212-998-00 -212-998-00 -247-700-11 -212-994-00 -249-492-11	FUSIBLE CARBON FUSIBLE	470 470 100 330 47K	5% 5% 5% 5%	1/2W 1/2W 1/4W 1/2W 1/2W	F F	R728 R729 R730 R731 R732	1-246-537-00 1-249-425-11 1-247-712-11 1-247-712-11 1-249-465-11	CARBON CARBON CARBON	470K 4.7K 820 820 47K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W
R460 1 R461 1 R462 ♠.1	-212-990-00 -247-718-11 -247-710-11 -212-990-00 -212-982-00	CARBON CARBON FUSIBLE	220 2.7K 560 220 100	5% 5% 5% 5% 5%	1/2W 1/4W 1/4W 1/2W 1/2W	F F	R733 R734 R735 R736 R737	1-249-425-11 1-247-712-11 1-247-712-11 1-249-465-11 1-249-425-11	CARBON CARBON CARBON	4.7K 820 820 47K 4.7K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W
R465 A.1 R466 A.1 R467 A.1	-212-998-00 -212-982-00 -212-958-00 -212-990-00 -212-958-00	FUSIBLE FUSIBLE	470 100 10 220 10	5% 5% 5% 5% 5%	1/2W 1/2W 1/2W 1/2W 1/2W	F F F F	R738 R739 R740 R741 R742	1-249-413-11 1-249-413-11 1-249-413-11 1-249-413-11 1-249-433-11	CARBON CARBON CARBON	470 470 470 470 22K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W
R470 <u>A</u> .1 R471 1 R472 1	-217-611-00 -217-611-00 -249-496-11 -247-749-11 -247-727-11	CARBON	0.1 0.1 100K 560 10	10% 10% 5% 5% 5%	2W 2W 1/2W 1/2W 1/2W		R743 R744 R745 R746 R747	1-249-409-11 1-249-417-11 1-249-465-11 1-249-465-11 1-249-409-11	CARBON CARBON CARBON	220 1K 47K 47K 220	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W
R476 1 R477 1 R478 1	-247-700-11 -249-431-11 -249-438-11 -247-713-11 -249-485-11	CARBON CARBON CARBON	100 15K 56K 1K 8.2	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/2W		R748 R749 R750 R751 R752	1-249-409-11 1-249-409-11 1-249-409-11 1-249-409-11 1-249-409-11	CARBON CARBON CARBON	220 220 220 220 220 220	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W
R501 1 R502 <u>↑</u> .1 R503 <u>↑</u> .1	-213-096-00 -247-746-11 -207-932-00 -207-932-00 -207-932-00	FUSIBLE CARBON WIREWOUND WIREWOUND WIREWOUND	330 390 27 27 27	5% 5% 10% 10% 10%	1W 1/2W 5W 5W 5W	F F F	R753 R754 R755 R756 R757	1-249-409-11 1-249-409-11 1-249-409-11 1-249-409-11 1-249-409-11	CARBON CARBON CARBON	220 220 220 220 220 220	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W
R506 A.1 R507 1 R508 1	-207-934-00 -207-682-00 -247-747-11 -247-755-11 -247-755-11	CARBON	120 47 470 1.8K 1.8K	10% 10% 5% 5% 5%	5W 5W 1/2W 1/2W 1/2W	F F	R758 R759 R760 R761 R762	1-249-409-11 1-249-409-11 1-249-417-11 1-249-417-11 1-249-417-11	CARBON CARBON CARBON	220 220 1K 1K 1K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W
R511 1 R512 1 R701 1	-247-755-11 -249-430-11 -247-757-11 -249-419-11 -249-421-11	CARBON CARBON CARBON	1.8K 12K 2.7K 1.5K 2.2K	5% 5% 5% 5% 5%	1/2W 1/4W 1/2W 1/4W 1/4W		RY501	1-464-931-11 1-464-931-11 1-515-501-00	RECEIVE UNIT,			
R704 1 R705 1 R706 1	-247-903-00 -249-431-11 -249-441-11 -249-429-11 -249-423-11	CARBON CARBON	1M 15K 100K 10K 3.3K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		S202 S204 S205	1-571-459-11 1-571-462-11	SWITCH, PUSH SWITCH, PUSH SWITCH, ROTAF SOURCE)	(1 KEY) (E RY, SLIDE	BASS B (OPTIC	OOST) AL DIGITAL
R709 1- R710 1- R711 1-	-249-431-11 -249-428-11 -249-429-11 -249-429-11 -249-417-11	CARBON CARBON CARBON	15K 8.2K 10K 10K 1K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		S201	1-571-461-11 1-554-920-21 1-571-466-11	SWITCH, SLIDE SWITCH, SLIDE SWITCH, PUSH SWITCH, PUSH	(REC OUT (AC POWI (1 KEY) (A	SELEC ER)(1 K ADAPTO	CTOR) EY) DR)
R714 1- R715 1- R716 1-	-249-431-11 -249-425-11 -249-429-11 -249-429-11 -249-441-11	CARBON CARBON CARBON	15K 4.7K 10K 10K 10K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		T801 <u>A</u> THP501	1-800-427-00	(UK)TRANS (AEP, WG)T POSISTOR TERMINAL BOA	RANSFOR		
R719 1- R720 1- R721 1-	-247-717-11 -247-717-11 -247-716-11 -247-713-11 -246-537-00	CARBON CARBON CARBON	2.2K 2.2K 1.8K 1K 470K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		VR202 VR203 VR204	1-238-109-11 1-238-110-11 1-238-108-11	RES, VAR, CARE RES, VAR, CARE RES, VAR, CARE RES, VAR, CARE RES, ADJ, CARE	BON 100K/ BON 100K/ BON 100K/	100K (B 100K (B	BASS) BALANCE)
R724 1- R725 1- R726 1-	-249-425-11 -247-717-11 -247-717-11 -247-716-11 -247-713-11	CARBON CARBON CARBON	4.7K 2.2K 2.2K 1.8K 1K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		VR451	1-237-455-11	RES, ADJ, CARE	80N 500		

Ref.No Part No.

Description

ACCESSORY & PACKING MATERIAL

1-559-847-11 CORD, CONNECTION
3-786-048-11 MANUAL, INSTRUCTION
3-786-048-41 MANUAL, INSTRUCTION
*4-925-133-01 CUSHION, UPPER
*4-925-134-01 CUSHION, LOWER
*4-925-141-01 INDIVIDUAL CARTON